

In the Claims:

Please cancel claims 1-534 and 568-768 without prejudice.

The following lists all claims and their status:

1-534 (cancelled)

535. (original) A variable stride exercise apparatus, comprising:
a frame;
a crank system coupled to the frame;
a foot member coupled to the crank system, wherein the foot member comprises a footpad;
a variable stride system coupled to the foot member such that at least a portion of the variable stride system is under at least a portion of the footpad, wherein the variable stride system is configured to allow a user of the apparatus to vary the length of the user's stride during use of the apparatus;
wherein the apparatus is configured such that a foot of the user can travel in a substantially curvilinear path during use of the apparatus; and
wherein the apparatus is configured such that at least a portion of the apparatus remains substantially stationary during use.

536. (original) The apparatus of claim 535, wherein the apparatus is configured such that the foot of the user can also travel in a closed path during use of the apparatus.

537. (original) The apparatus of claim 535, wherein the apparatus is configured such that the foot of the user travels in a closed path during use of the apparatus.

538. (original) The apparatus of claim 535, wherein the apparatus is configured such that the foot of the user travels in a substantially curvilinear path during use of the apparatus.

539. (original) The apparatus of claim 535, wherein the variable stride system is configured such that the user of the apparatus, by varying the user's stride, can thereby selectively vary a path of the foot member.

540. (original) The apparatus of claim 535, wherein the variable stride system is configured to allow the user of the apparatus to instantaneously vary the length of the user's stride during use of the apparatus.

541. (original) The apparatus of claim 535, further comprising a second foot member, wherein the foot member and the second foot member comprise a left foot member and a right foot member, and wherein the left foot member and the right foot member are cross coupled so that the left foot member moves in opposition to the right foot member.

542. (original) The apparatus of claim 535, further comprising a movable member coupled to the foot member.

543. (original) The apparatus of claim 535, further comprising a movable member coupled to the crank system.

544. (original) The apparatus of claim 535, further comprising a movable member coupled to the crank system through a roller.

545. (original) The apparatus of claim 535, further comprising a movable member coupled to the crank system, wherein the movable member is configured to move in a reciprocating path.

546. (original) The apparatus of claim 535, further comprising a movable member coupled to the crank system, wherein the movable member is configured to move in a substantially curvilinear path.

547. (original) The apparatus of claim 535, further comprising a movable member, wherein the movable member is coupled to the foot member and the crank system.

548. (original) The apparatus of claim 535, wherein the foot member is coupled to the crank system through the variable stride system.

549. (original) The apparatus of claim 535, further comprising a movable member, wherein the foot member is coupled to the movable member through the variable stride system.

550. (original) The apparatus of claim 535, further comprising a movable member, wherein the movable member is translatablely coupled to the frame.

551. (original) The apparatus of claim 535, further comprising a movable member, wherein the movable member is translatablely coupled to the frame through a roller.

552. (original) The apparatus of claim 535, further comprising an arm link coupled to the foot member.

553. (original) The apparatus of claim 535, further comprising an arm link coupled to the foot member, wherein the arm link is pivotally coupled to the frame.

554. (original) The apparatus of claim 535, wherein the variable stride system comprises at least one cam device.

555. (original) The apparatus of claim 535, wherein the variable stride system comprises one or more cam devices and one or more rollers, and wherein at least one of the rollers is configured to translate along a surface of at least one of the cam devices during use.

556. (original) The apparatus of claim 535, wherein the variable stride system comprises a spring.

557. (original) The apparatus of claim 535, wherein the variable stride system comprises a damper.

558. (original) The apparatus of claim 535, wherein the variable stride system comprises a cam device, and wherein the length of the cam surface of the cam device is greater than a crank diameter of the crank system.

559. (original) The apparatus of claim 535, wherein the variable stride system comprises a cam device, and wherein the length of the cam surface of the cam device is at least about 1.5 times the length of a crank diameter of the crank system.

560. (original) The apparatus of claim 535, wherein the variable stride system comprises a cam device, and wherein the length of the cam surface of the cam device is at least about 2 times the length of a crank diameter of the crank system.

561. (original) The apparatus of claim 535, wherein the crank system comprises a pulley.

562. (original) The apparatus of claim 535, wherein the variable stride system is configured to allow the user of the apparatus to selectively vary the user's stride length based on an amount of force applied by the user's foot during use of the apparatus.

563. (original) The apparatus of claim 535, wherein the variable stride system is configured to provide a force that restores the footpad to a neutral position during use of the apparatus.

564. (original) The apparatus of claim 535, wherein the variable stride system is coupled to the foot member such that a force from a majority of the weight of the user is applied to the variable stride system.

565. (original) The apparatus of claim 535, wherein the apparatus is configured such that articulation of the user's foot is controlled in combination with the user's stride length during use of the apparatus.

566. (original) The apparatus of claim 535, further comprising a housing, wherein the housing encloses at least a portion of the crank system.

567. (original) The apparatus of claim 535, further comprising an adjustment mechanism configured to allow adjustment of the step height of the user.

568-768 (cancelled).